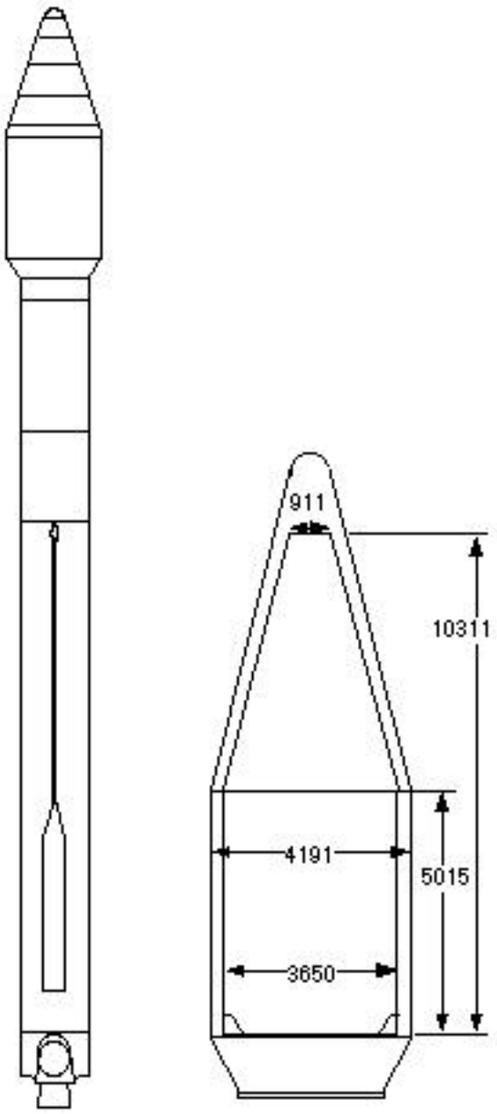
Lewis Research Center

NGST

Atlas IIAR



- **Performance**
  - Escape (C3 = 0 km^2/sec^2): 2970 kg
  - 1 AU x 3 AU (C3 = 45 km^2/sec^2): 1150 kg
  - 1 AU x 5 AU (C3 = 77 km^2/sec^2): < 450 kg (performance to high C3s can be improved with payload provided kick stage)
- **Fairing/Payload Envelope**
  - 4.2 m aluminum fairing
  - Envelope maximum cylindrical diameter: 3.65 m
  - Envelope overall length: 10.31 m
  - Envelope cylindrical section length: 5.01 m, with cut-outs
- **Fairing Growth Plans**
  - Local envelope diameter increase may be negotiated within constraints of existing fairing
- **Launch Availability**
  - CCAFS: LC-36B
  - Initial Launch: December 1998
  - Would likely be replaced by EELV if Lockheed Martin develops EELV
- **Basic Launch Service Cost**
  - $95-105M for Atlas IIAS (AIAA International Reference Guide to Space Launch Systems)

http://www.lmco.com/ILS/txtmain/design_atlas.htm